

CLASSIFIED MESSAGE

TOP SECRET

ORIG :
 UNIT :
 EXT :
 DATE : 2 November 1970

TO :
 FROM :
 CONF :
 INFO :

ROUTING			
1		4	
2		5	
3		6	
3 Nov 70 22 02			
RECEIVED	DEFERRED	<input checked="" type="checkbox"/>	PRIORITY
	ROUTINE		OPERATIONAL IMMEDIATE
			INITIALS
			INITIALS
OUT 71088			

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TO

CITE

9708

SUBJECT: MEASURED FILM SPEEDS

REFERENCE: CABLE - (IN 62960)

1. ALL THE MEASUREMENTS REQUESTED WERE MADE ON 1 MICRON COMPARATOR AND SHOULD BE ACCURATE TO BETTER THAN ± 5 MICRONS FOR THE ENTIRE DISTANCE MEASURED. ERRORS RANGE 1/10 OF 1 PERCENT UP TO 1/4 OF 1 PERCENT.

2. MEASUREMENTS AND DISTANCES FOLLOW:

REV FRAME	READING NO./SEC.	DISTANCE MEASURED MICRONS	TIME COUNTED PPS	DISTANCE FROM TIME ON	COMPUTED FILM SPEED INS/SEC.
31/64	3 ϕ .6	115,782	4 300	6 8 cm	6 7.5972
32/64	1.0	112,494	500	7 cm	4.4289
48/66	1.0	146,792	500	9 cm	5.7792
79/19	ϕ .2	26,945	100	8 cm	5.3041
80/58	1.0	199,354	500	8 cm	7.8486
80/60	1.2	238,865	600	7 cm	7.8368

COORDINATING OFFICERS

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DEFERRED	PRIORITY	INITIALS
ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

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INFO

CITE

REV FRAME	READING NO./SEC.	DISTANCE MEASURED MICRONS	TIME COUNTED PPS	DISTANCE FROM TIME ON	COMPUTED FILM SPEED INS/SEC.
144/58	1.0	196.717	500	12 cm	7.7448
209/31	3.0	397,832	1500	19 cm	5.2201
211/05	0.6	74,909	300	7 cm	4.9153
216/27	1.4	272,300	700	12 cm	7.6575
217/14	0.8	156,632	400	8 cm	7.7083
230/11	1.8	229,845	900	7 cm	5.0272

REV/ FRAME	PROG. FILM SPEED INS/SEC.	DIFF INS/SEC.	% ERROR
31/64	7.5867	+0.0105	.14
32/04	4.4183	+0.0106	.24
48/66	5.7679	+0.0113	.20
79/19	5.2897	+0.0144	.27
80/58	7.8410	+0.0076	.10
80/60	7.8264	+0.0104	.13

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PRECEDENCE	DEFERRED	PRIORITY	INITIALS
	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

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INFO

CITE

REV/ FRAME	PROG. FILM SPEED INS/SEC.	DIFF INS/SEC.	% ERROR
144/58	7.7259	+0.0189	.24
209/31	5.2111	+0.0090	.17
211/05	4.9075	+0.0078	.16
216/27	7.6417	+0.0158	.21
217/14	7.6976	+0.0107	.14
230/11	5.0186	+0.0086	.17

-END OF MESSAGE-

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